



16569 U.S.PTO

012704

10/765415  
1702 U.S.PTO

012704

PTO/SB/05 (01-04)

Approved for use through 07/31/2006. OMB 0651-0032  
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	557SC-CIP [2630.3118.004]
First Inventor	Martin N. Andersson
Title	Ignition Timing Control..
Express Mail Label No.	EV330379157US

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

**ADDRESS TO:**  
 Mail Stop Patent Application  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria VA 22313-1450

1.  Fee Transmittal Form (e.g., PTO/SB/17)  
*(Submit an original and a duplicate for fee processing)*

2.  Applicant claims small entity status.  
 See 37 CFR 1.27.

3.  Specification [Total Pages 41]  
*(preferred arrangement set forth below)*

- Descriptive title of the invention
- Cross Reference to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to sequence listing, a table, or a computer program listing appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (*if filed*)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

4.  Drawing(s) (35 U.S.C. 113) [Total Sheets 14]

5. Oath or Declaration [Total Sheets 5]
     a.  Newly executed (original or copy)
     b.  Copy from a prior application (37 CFR 1.63(d))  
*(for continuation/divisional with Box 18 completed)*
     i.  **DELETION OF INVENTOR(S)**  
*Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).*

6.  Application Data Sheet. See 37 CFR 1.76

7.  CD-ROM or CD-R in duplicate, large table or Computer Program (*Appendix*)

8. Nucleotide and/or Amino Acid Sequence Submission  
*(if applicable, all necessary)*

- Computer Readable Form (CRF)
- Specification Sequence Listing on:
     i.  CD-ROM or CD-R (2 copies); or
     ii.  Paper
     c.  Statements verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

9.  Assignment Papers (cover sheet & document(s))  
 10.  37 CFR 3.73(b) Statement  Power of  
*(when there is an assignee)*  Attorney

11.  English Translation Document (*if applicable*)  Copies of IDS  
 12.  Information Disclosure Statement (IDS)/PTO-1449  
 13.  Preliminary Amendment  
 14.  Return Receipt Postcard (MPEP 503)  
*(Should be specifically itemized)*  
 15.  Certified Copy of Priority Document(s)  
*(if foreign priority is claimed)*  
 16.  Nonpublication Request under 35 U.S.C. 122  
 (b)(2)(B)(i). Applicant must attach form PTO/SB/35  
 or its equivalent.  
 17.  Other: .....

18. If a CONTINUATING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation       Divisional       Continuation-in-part (CIP)      of prior application No.: 10/186,522.....

Prior application information: Examiner Johnny H. Hoang Art Unit: 3747  
 For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**

<input type="checkbox"/> Customer Number:				OR	<input type="checkbox"/> Correspondence address below
Name	William H. Francis			State	MI
Address	Reising, Ethington, Barnes, Kisselle, P.C.			Zip Code	48099-4390
City	Troy	Telephone	(248) 689-3500	Fax	(248) 689-4071
Country	U.S.A.				
Name (Print/Type)	William H. Francis	Registration No. (Attorney/Agent)	25,335	Date	01/27/04
Signature					

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL

## for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 1,374)

## Complete if Known

Application Number	
Filing Date	January 27, 2004
First Named Inventor	Martin N. Andersson
Examiner Name	
Art Unit	
Attorney Docket No.	557SC-CIP [2630.3118.004]

## METHOD OF PAYMENT (check all that apply)

Check  Credit card  Money Order  Other  None  
 Deposit Account:

Deposit Account Number  
 Deposit Account Name  
**Reising Ethington et al**

The Director is authorized to: (check all that apply)  
 Charge fee(s) indicated below  Credit any overpayments  
 Charge any additional fee(s) or any underpayment of fee(s)  
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 770	2001 385	Utility filing fee	770
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	
SUBTOTAL (1)			(\$ 770)

## 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Independent Claims	Multiple Dependent	Extra Claims	Fee from below	Fee Paid
37	-20** = 17		x 18	= 306	
6	- 3** = 3		x 86	= 258	

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 86	2201 .43	Independent claims in excess of 3
1203 290	2203 145	Multiple dependent claim, if not paid
1204 86	2204 43	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent
SUBTOTAL (2)		(\$ 564)

\*\*or number previously paid, if greater; For Reissues, see above

## 3. ADDITIONAL FEES

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for ex parte reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 420	2252 210	Extension for reply within second month	
1253 950	2253 475	Extension for reply within third month	
1254 1,480	2254 740	Extension for reply within fourth month	
1255 2,010	2255 1,005	Extension for reply within fifth month	
1401 330	2401 165	Notice of Appeal	
1402 330	2402 165	Filing a brief in support of an appeal	
1403 290	2403 145	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,330	2453 665	Petition to revive - unintentional	
1501 1,330	2501 665	Utility issue fee (or reissue)	
1502 480	2502 240	Design issue fee	
1503 640	2503 320	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180	Submission of Information Disclosure Stmt	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	40
1809 770	2809 385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 770	2810 385	For each additional invention to be examined (37 CFR 1.129(b))	
1801 770	2801 385	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	
Other fee (specify)			
*Reduced by Basic Filing Fee Paid			
SUBTOTAL (3)			(\$ 40)

## SUBMITTED BY

Name (Print/Type)	William H. Francis	Registration No. (Attorney/Agent)	25,335	Telephone	248-689-3500
Signature					
Date	01/27/04				

(Complete if applicable)

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

LAW OFFICES  
**REISING, ETHINGTON, BARNES, KISSELLE, P.C.**

PATENTS, TRADEMARKS AND COPYRIGHTS

- SINCE 1865 -

COLUMBIA CENTER  
201 W. BIG BEAVER - SUITE 400  
TROY, MICHIGAN 48084

MAILING ADDRESS:  
P.O. BOX 4390  
TROY, MICHIGAN 48099-4390

TELEPHONE: (248) 689-3500  
FACSIMILE: (248) 689-4071

[www.reising.com](http://www.reising.com)

SAGINAW OFFICE:  
5291 COLONY DRIVE NORTH  
SAGINAW, MICHIGAN 48603  
TELEPHONE: (989) 799-5300  
FACSIMILE: (989) 792-8585

STUART C. BARNES 1910-1968  
JOHN M. KISSELLE 1919-1980  
PAUL J. REISING 1963-1993  
PAUL J. ETHINGTON 1966-2003

MICHAEL C. ADAMS  
EDWARD J. BISKUP  
DAVID A. BURNS  
ROBERT C. COLLINS  
ROBERT L. FARRIS  
FRANCIS J. FODALE  
WILLIAM H. FRANCIS  
WILLIAM H. GRIFFITH  
ANDREW M. GROVE  
GEORGE A. GROVE  
ERIC T. JONES  
JOHN F. LEARMAN  
STEVEN L. PERMUT  
BRIAN L. RIBANDO\*  
MATTHEW J. SCHMIDT  
WILLIAM J. SCHRAMM  
JAMES D. STEVENS  
STEVEN B. WALMSLEY\*  
WILLIAM J. WAUGAMAN  
CHARLES R. WHITE  
JOHN D. WRIGHT

\* MEMBER OF THE D.C. BAR

16569  
012704  
U.S.PTO

January 27, 2004

Box Mail Stop New Patent Application  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Docket No. 557SC-CIP [2630.3118.004]

Sir:

Enclosed herewith for filing is a new patent application entitled

**IGNITION TIMING CONTROL SYSTEM  
FOR LIGHT DUTY COMBUSTION ENGINES**

This application is being filed pursuant to the revised Rules of Practice effective February 27, 1983 by the undersigned attorney of the applicants. It is respectfully requested that this application be assigned a filing date of January 27, 2004 pursuant to the "Express Mail" (EV330379157US) provision of 37 C.F.R. §1.10 as amended.

The names and addresses of the inventors of the subject matter of the enclosed patent application are as follows:

**Martin N. Andersson**  
1660 Colwood Road  
Caro, MI 48723  
Swedish Citizen

**Kevin P. Born**  
3936 Cass City Road  
Cass City, MI 48726  
U.S.A. Citizen

**George M. Pattullo**  
2330 Jacob Road  
Caro, MI 48723  
U.S.A. Citizen

**Eric G. Zbytowski**  
1708 Bliss Road  
Caro, MI 48723  
U.S.A. Citizen

This application is a continuation-in-part of application Ser. No. 10/186,522, filed July 1, 2002 which claimed the benefit of provisional application Ser. No. 60/306,381, filed July 18, 2001.

Mail Stop – New Patent Application  
January 27, 2004  
Page 2

557SC-CIP [2630.3118.004]

We await receipt of the serial number for this application.

Respectfully,



William H. Francis #25,335

WHF:MCA:sal

Enclosures